

ELECTROMECHANICAL ACTUATOR FOR THE REGULATION OF THE TURBOCHARGER OF INTERNAL COMBUSTION ENGINES

ABSTRACT

- 5 An actuator composed of: a) a solenoid (1) with a ferromagnetic nucleus (2) which slides inside it and is combined with a rod (3) appropriate for interacting with the turbocharger's (5) pilot point (4) and provided with a sensing system (7) of the position of the ferromagnetic nucleus (2) in the solenoid (1); b) and an electronic circuit which: - on the way in receives at
- 10 least the signal from the engine's electronic control unit and the feedback signal, connected to the position of the ferromagnetic nucleus (2) of the solenoid (1); - on the way out it distributes the electric current, connected to the said entry signals, with which it feeds the same solenoid (1).